

LQH3NPN4R7MJ0#

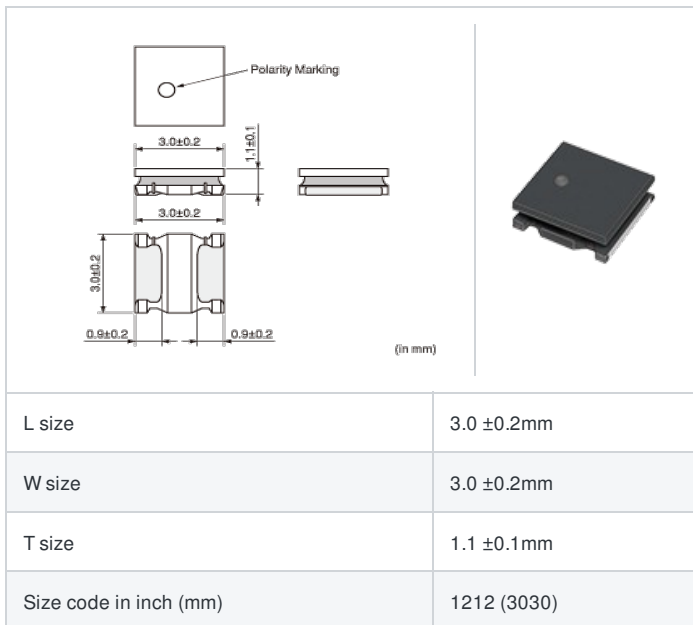
indicates a package specification code.



Last Time Buy Date: 31 Mar 2018 Date of discontinuation: 30 Sep 2018

< List of part numbers with package codes >
LQH3NPN4R7MJ0L , LQH3NPN4R7MJ0K

Shape



Notes

When rated current is applied to the products, inductance will be within ±30% of nominal inductance value.
When rated current is applied to the products, the temperature rise caused by self-generated heat shall be limited to 40°C max.
Keep the temperature (ambient temperature plus self-generation of heat) under 125°C.

References

| Packaging code | Specifications | Minimum quantity |
|----------------|------------------------|------------------|
| L | φ180mm Embossed taping | 1000 |
| K | φ330mm Embossed taping | 5000 |

| Mass (Typ.) | |
|-------------|--------|
| 1 piece | 0.045g |

Specifications

| | |
|---|----------------|
| Inductance | 4.7μH ±20% |
| Inductance test frequency | 1MHz |
| Rated current (Isat) (Based on Inductance change) | 780mA |
| Rated current (Itemp) (Based on Temperature rise) | 1120mA |
| Max. of DC resistance | 0.156Ω |
| Avg. of DC resistance | 0.130Ω ±20% |
| Self resonance frequency (min.) | 65MHz |
| Operating temperature range (Self-temperature rise is included) | -40°C to 125°C |
| Operating temperature range (Self-temperature rise is not included) | -40°C to 85°C |
| Class of magnetic shield | Magnetic Resin |
| Series | LQH3NPN_J0 |

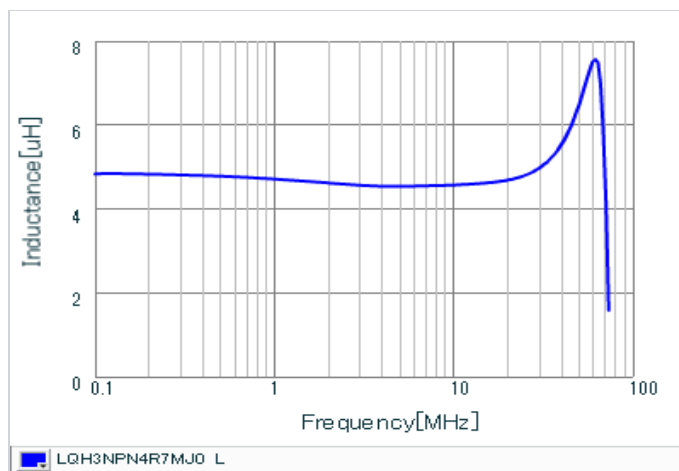
1 of 2

Attention

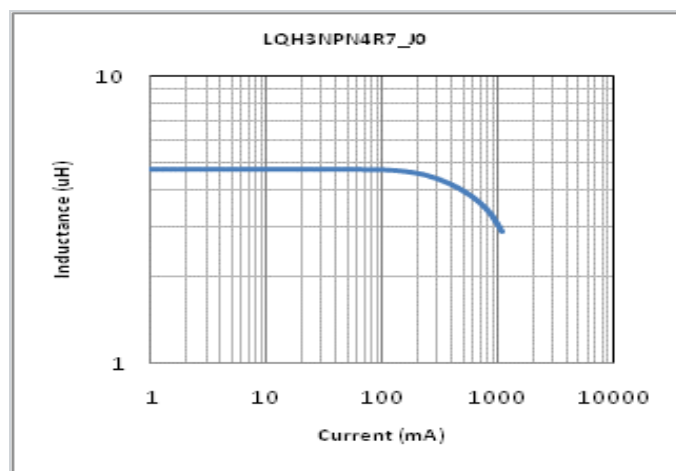
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Chart of characteristic data (The charts below may show another part number which shares its characteristics.)

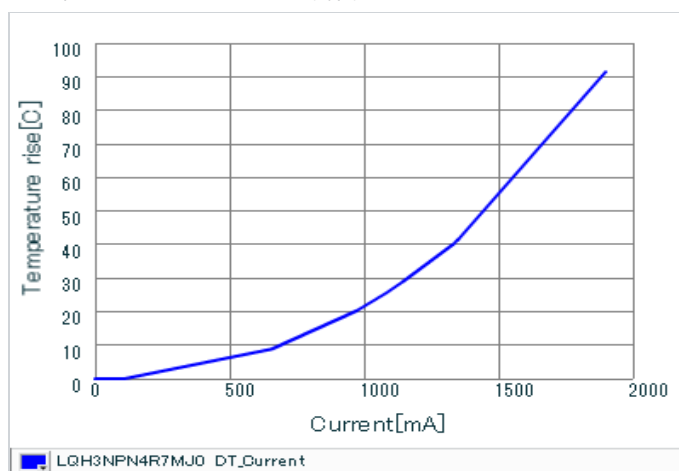
■ Inductance-Frequency characteristics (Typ.)



■ Inductance-Current characteristics (Typ.)



■ Temperature rise characteristics (Typ.)



⚠ Attention

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